How to Run Samples from the Textbooks

1. Open Android Studio and click "Open an existing Android Studio project"



2. Find the location of samples. Be careful, **DO NOT** choose the sample folder. Choose the folder under it, with an "Android Studio" icon as demonstrated in the screenshot below.



3. Ignore the warning and click "OK"



4. You may see warning like this

🖲 GeoQuiz = (C/Users\qhe\Downloads\AndroidProgramming2e\01_FirstApp\GeoQuiz) = Android Studio 1.3	
Eile Edit View Navigate Gode Analyze Befactor Build Run Tools VCS Window Help	
□ 日 Ø ダ ル 从 ③ 郎 ⊂ 泉 수 → 昭 ∞ ▶ ※ ※ 県 学 録 掌 監 首 ┿ ?	Q. 🖂
Ci GeoQuiz) Ci app) 🕑 build.grade)	
 J Poper 	E waan fugets 8 Ga
z .	2
4.2 theta:	No files are open Seach Swywhere with Double Shift Open Project View with All + 1 Open Project View with All + 1 Open Revision Files with Christe Open Revision with Christe Dopen Revision with Christene Dag and Drep Neigh here horm Exponen
Messages Gradie Sunc	0- ±
X S Marketing Approx Acting processing and an approx Acting approx	
- Education Terminal 6 Messager @ 1000	E fant i an E fant i fant
Gradle sync failed: failed to find target android-21: C/Users/sphe/AppData/Local/Android/Sdk // // Consult IDE log for more details (Help Show Log)	bent Lag Gradit Conside In/a (n/a) Constant / By Big
🚯 🥝 💢 💿 💿 💷	- Pr to 40 1246/AM

 You can either click the warning to install, or open the build.gradle file as shown below and change "compileSdkVersion" and "targetSdkVersion" to 22, and change "buildToolsVersion" to "23.0.2" (which should have been installed on Zoo Lab machines).



6. Click "Try Again"

Q	B
<u>Try Again</u> <u>Open 'Messages' View</u> <u>Show Log in Explorer</u>	Maven Projects
	Gradle

7. You may see another warning like the screenshot below. Click the "Fix plugin and sync project".

	Mess	sages Gradle Sync										
	×	😴 🔻 🗓 Gradle Sync Issue										
	1	*	Gradle 2.4 requires Android Gradle plugin 1.2.0 (or newer) but project is using version 1.1.0. Error: Please use Android Gradle plugin 1.2.0 or newer.									
	+	••										
	Ľ	$\mathbf{+}$										
챋 <u>2</u> : Favorites	?											
🌸 Build Variants												
	I I	ermin	nal	🔲 <u>0</u> : Messa	iges 🏻 🏺 <u>6</u>	Android	ବ TODO					
	Grad	le syr	nc con	npleted (mo	ments ago)							

8. Your sample project should be okay now. Click "Run"

🙍 GeoQuiz - [C:\Users\qhe\Downloads\AndroidProgramming2e\01_FirstApp\GeoQuiz] - a	pp - Android Studio 1.3
<u>File Edit View Navigate Code Analyze Refactor Build Ru</u> Run 'app' (Shift+F10)	w <u>H</u> elp
🖿 🗄 🕼 🛩 🏕 🐰 🖺 🗗 🔍 🔍 💠 🕂 🗰 app 🕶 🕨 🗰 🎕	🔍 🖟 😤 🌆 🛱 🗰 📪
GeoQuiz Cappage Sound Stradle	
🔉 🖷 Android 🔻 😳 😤 🏄	📀 app 🗙
ti ► Ci app	apply plugin: 'com.android.application'
🖉 🔻 💽 Gradle Scripts	
build.gradle (Project: GeoQuiz)	endroid {
(A Lotted and Color and Color and Color	compileSdkVersion 22

9. Choose emulator or the device you have enabled "USB debugging mode"

```
"1.0"
```

IFiles ge Choose a running device Device Serial Number State Con LGE Nexus 5 Android 5.1.1 (API 22) 038d2a49006b81a4 Online Yes	
Device Serial Number State Con LGE Nexus 5 Android 5.1.1 (API 22) 038d2a49006b81a4 Online Yes	
LGE Nexus 5 Android 5.1.1 (API 22) 038d2a49006b81a4 Online Yes	n
dim. 11	
roid sur	
iroid.sup	
O Launch emulator	
	_
Android virtual device: Nexus 5 API 22 x86	
	_
Use same device for future launches	
OK Cancel Help	

10. Rock and roll!